



ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA -
NEW BEDFORD, MA - HOLYOKE, MA
184 HIGH STREET, SUITE 502
BOSTON, MA 02210
56H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
**NEW BEDFORD
MARINE COMMERCE
TERMINAL**

OWNER
**MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS**

NO.	DATE	DESCRIPTION	BY
2.			
1.			

PROJECT NO.	6690
CADD FILE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	
DRAWING SCALE	1"=40'

GRAPHIC SCALE
SCALE: 1"=40'
0 20 40 80

SHEET TITLE
**25' BY 25' TSCA
GRID SAMPLING**

DRAWING NO.
DRAFT

X OF X

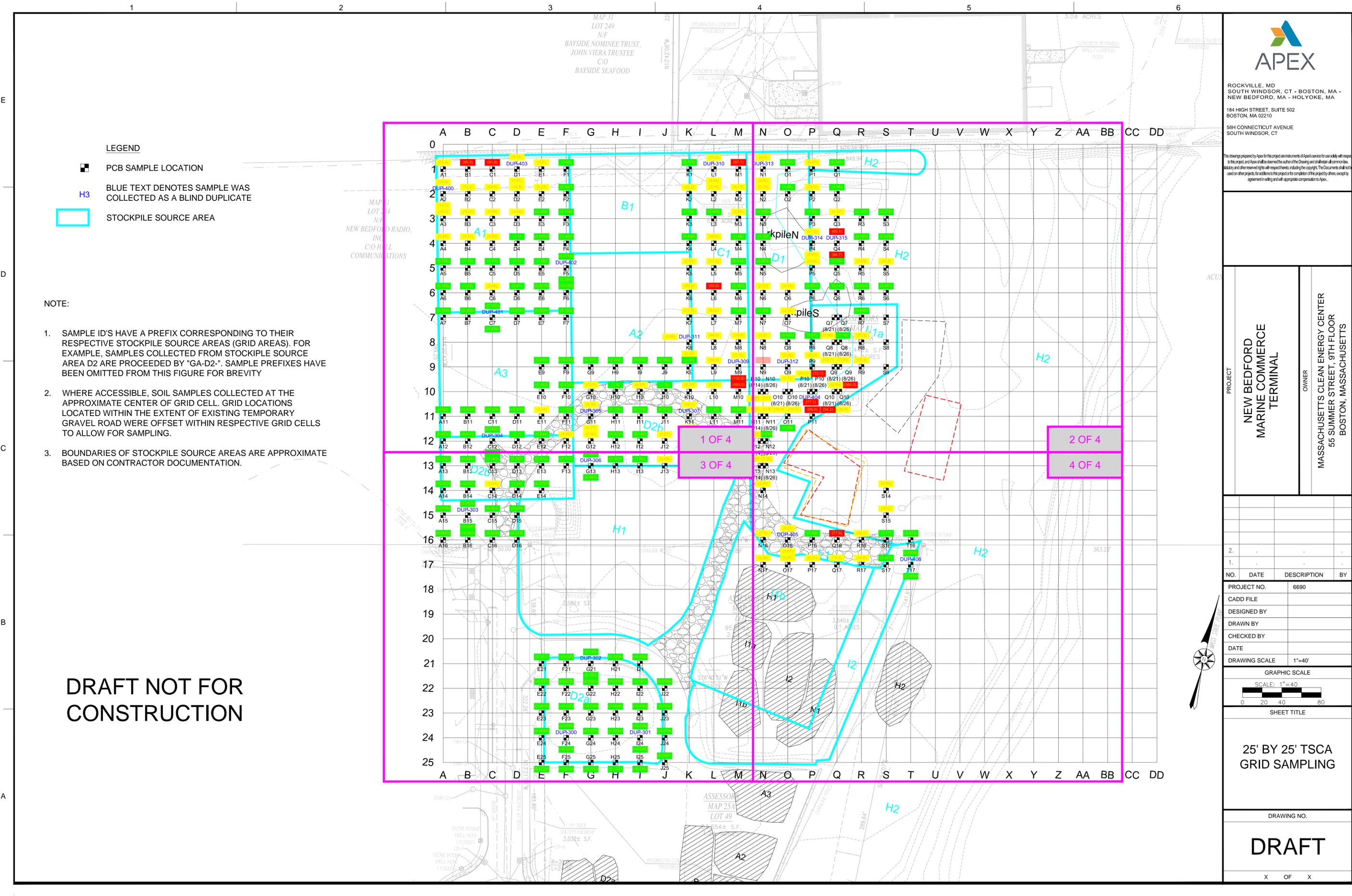
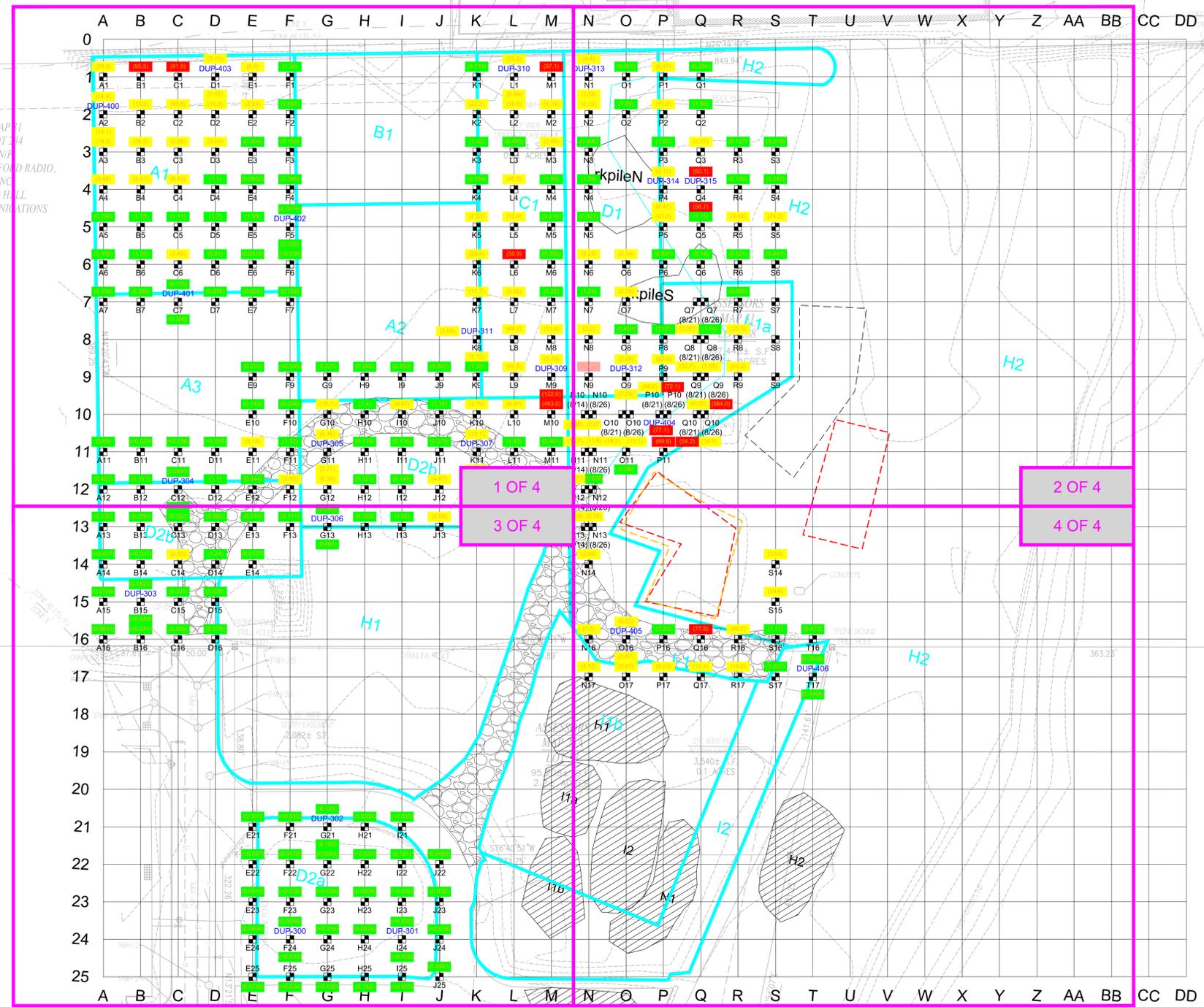
LEGEND

- PCB SAMPLE LOCATION
- BLUE TEXT DENOTES SAMPLE WAS COLLECTED AS A BLIND DUPLICATE
- STOCKPILE SOURCE AREA

NOTE:

1. SAMPLE ID'S HAVE A PREFIX CORRESPONDING TO THEIR RESPECTIVE STOCKPILE SOURCE AREAS (GRID AREAS). FOR EXAMPLE, SAMPLES COLLECTED FROM STOCKPILE SOURCE AREA D2 ARE PRECEDED BY "GA-D2-". SAMPLE PREFIXES HAVE BEEN OMITTED FROM THIS FIGURE FOR BREVITY
2. WHERE ACCESSIBLE, SOIL SAMPLES COLLECTED AT THE APPROXIMATE CENTER OF GRID CELL. GRID LOCATIONS LOCATED WITHIN THE EXTENT OF EXISTING TEMPORARY GRAVEL ROAD WERE OFFSET WITHIN RESPECTIVE GRID CELLS TO ALLOW FOR SAMPLING.
3. BOUNDARIES OF STOCKPILE SOURCE AREAS ARE APPROXIMATE BASED ON CONTRACTOR DOCUMENTATION.

**DRAFT NOT FOR
CONSTRUCTION**





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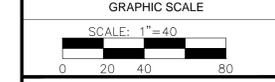
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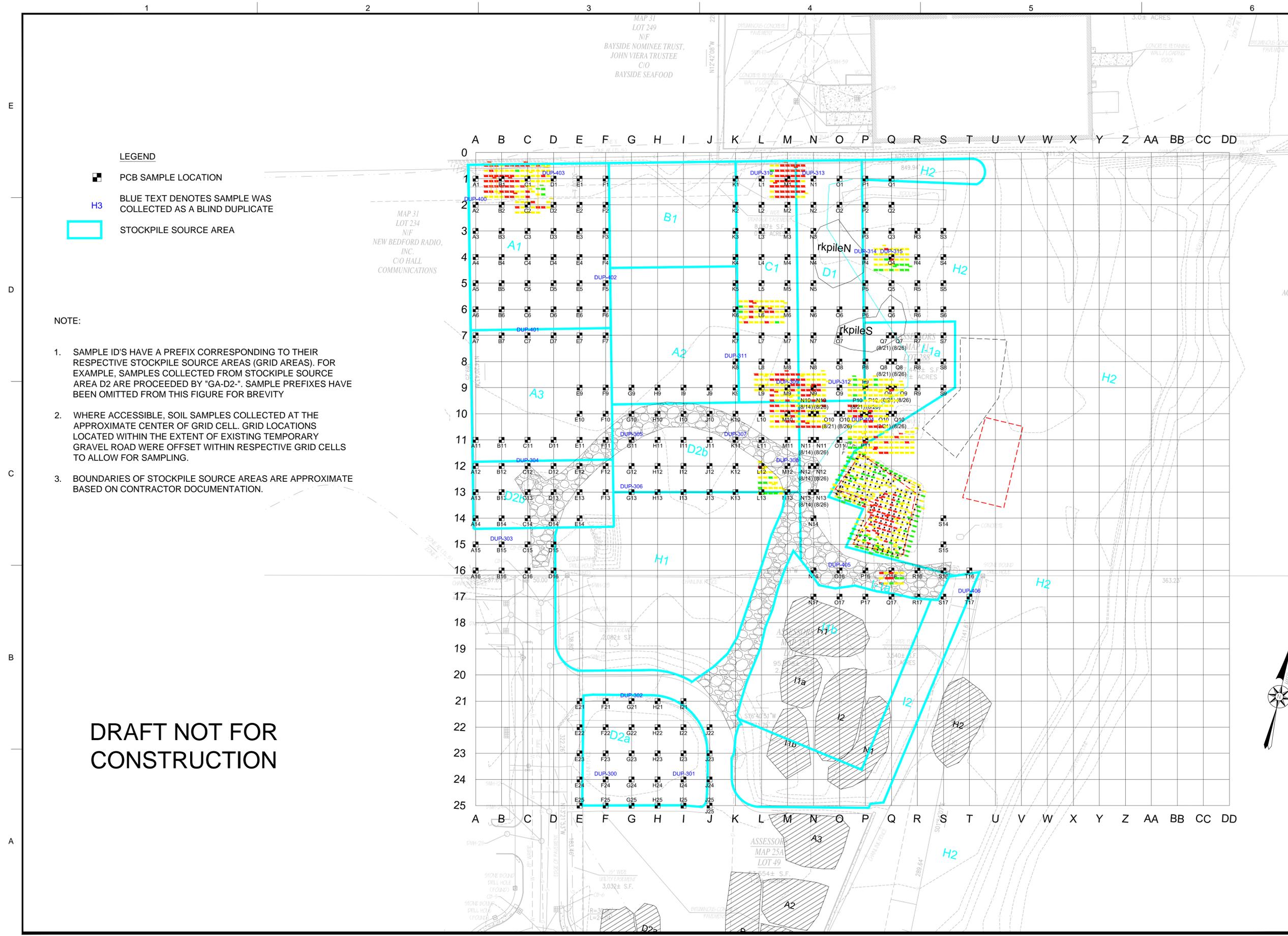
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SHEET TITLE
GRID SAMPLING

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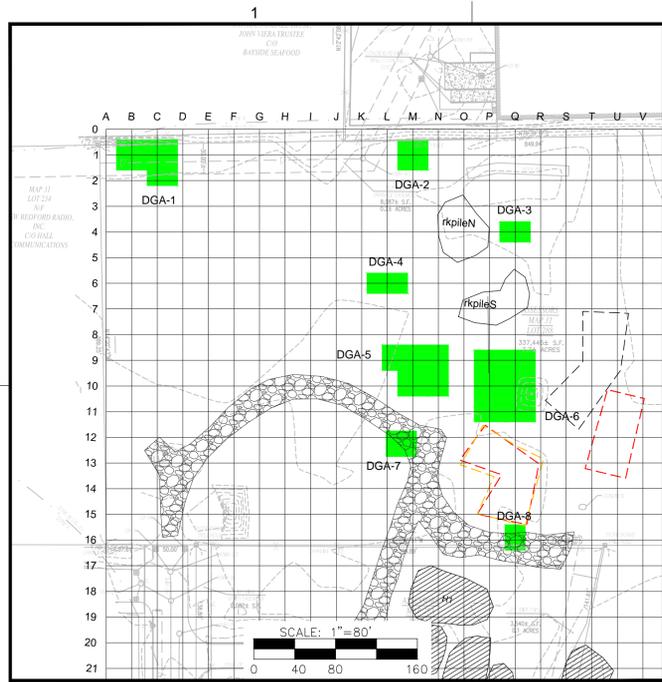
X OF X



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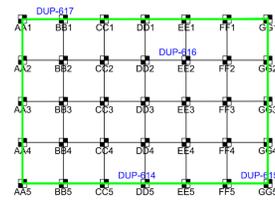
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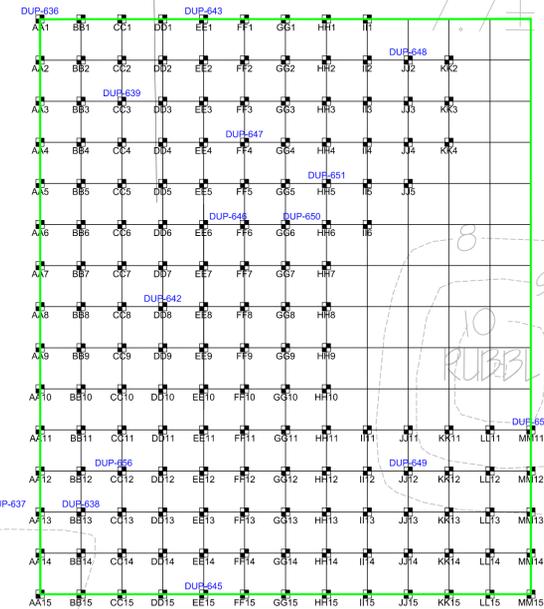
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- PCB SAMPLE LOCATION
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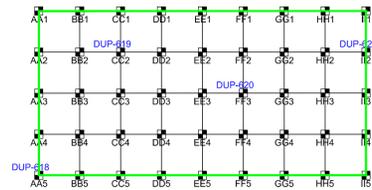
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DGA-3

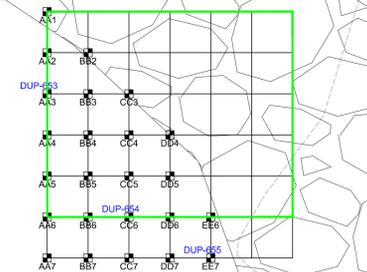


DGA-6

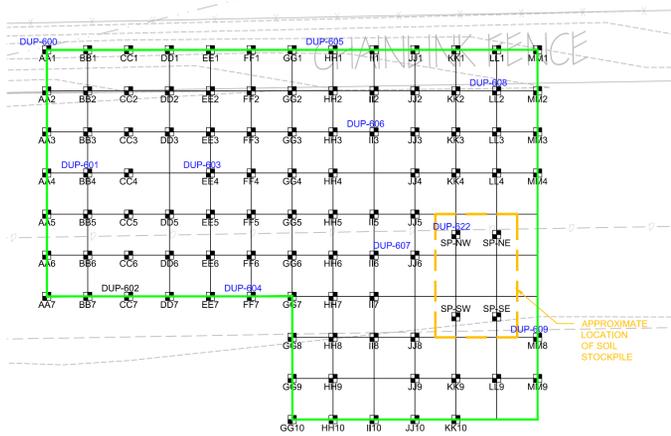


DGA-4

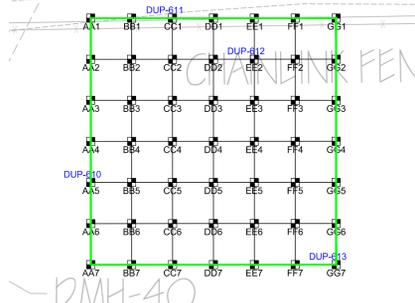
DGA-7



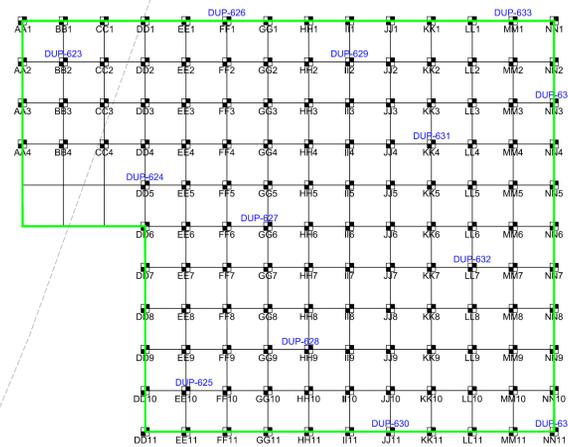
DGA-8



DGA-1



DGA-2



DGA-5



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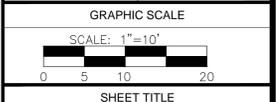
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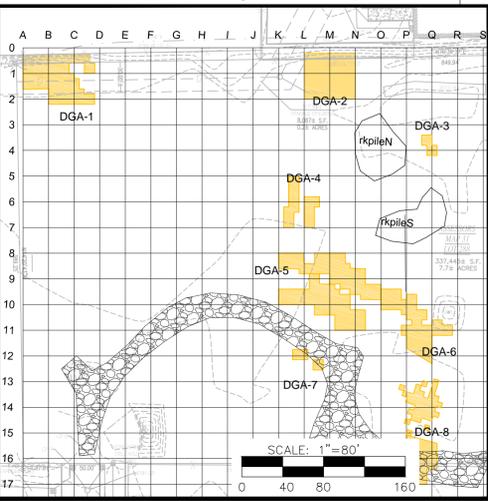
PROJECT NO.	6690
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CHECKED BY	
DATE	
DRAWING SCALE	1"=10'



**5' BY 5' TSCA
GRID SAMPLING**

DRAWING NO.
DRAFT

X OF X



NOTE:

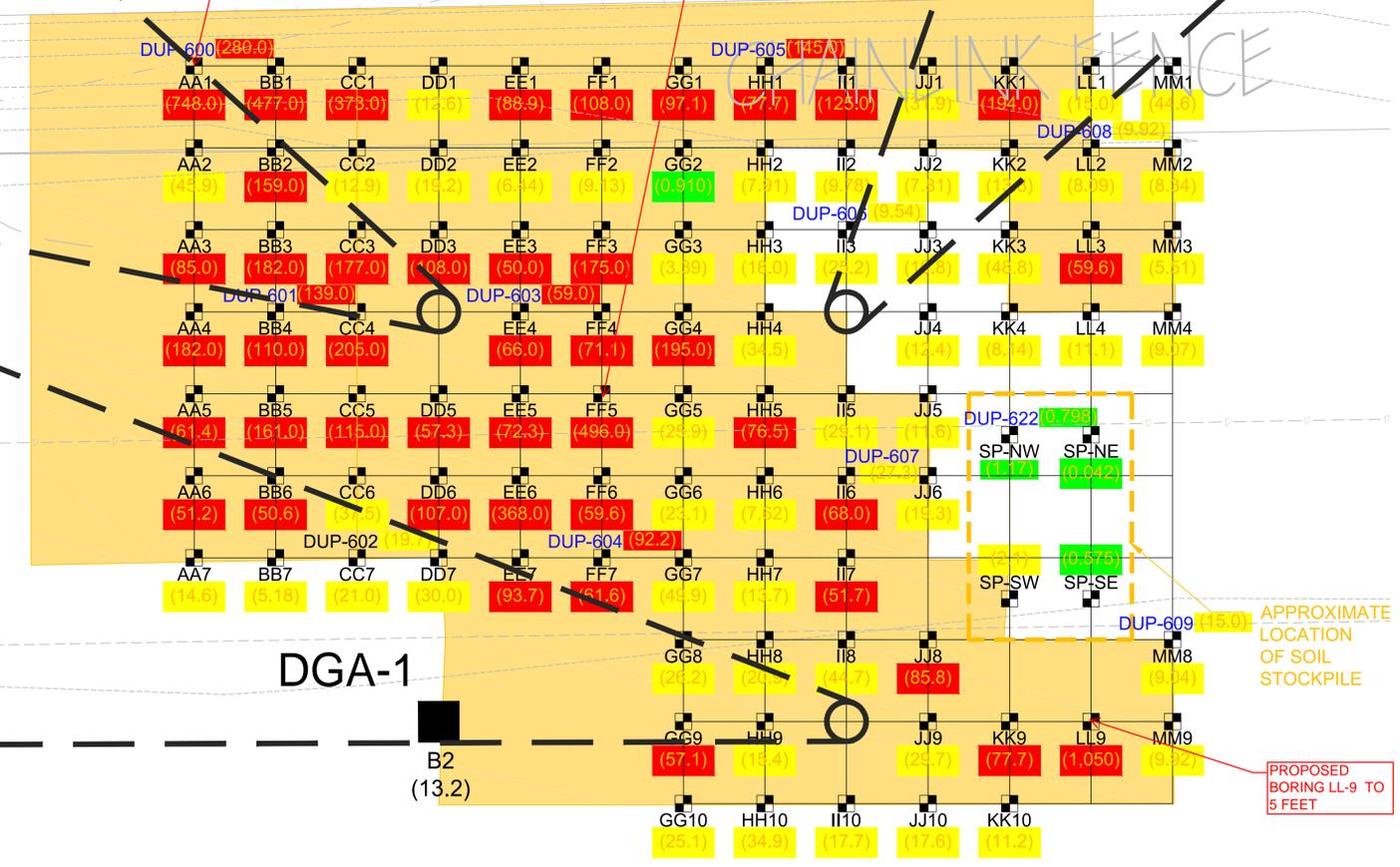
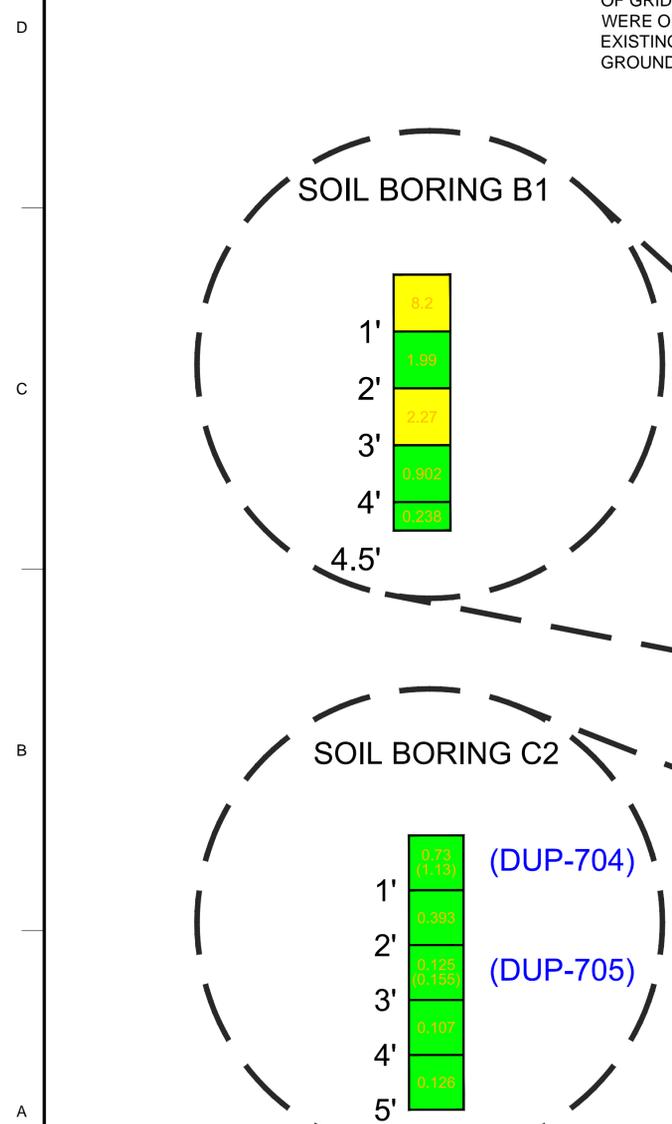
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4. CONCENTRATIONS DETERMINED TO BE BELOW LABORATORY DETECTION LIMITS ARE INDICATED AS 'ND'.

LEGEND

- PCB SAMPLE LOCATION
- AA3 BLUE TEXT DENOTES SAMPLE WAS COLLECTED AS A BLIND DUPLICATE
- APPROXIMATE LIMITS OF HOTSPOT EXCAVATION
- 25'x25' GRID SAMPLES AT THE PERIMTER OF HOTSPOT AREAS (SHOWN WHEN USED TO DEFINE HOTSPOT AREA)

**DRAFT
PENDING EPA APPROVAL**

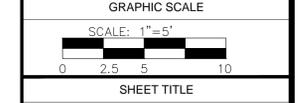


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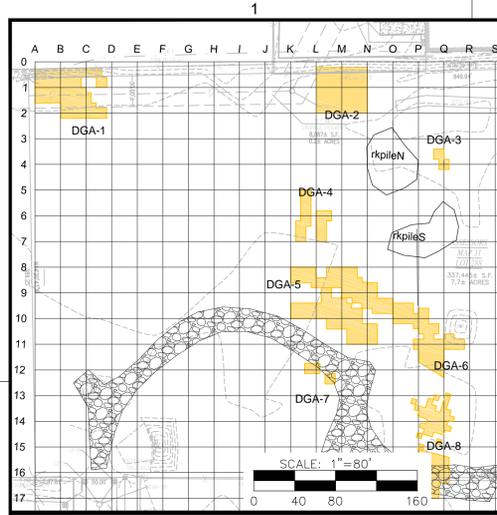
PROJECT	NEW BEDFORD MARINE COMMERCE TERMINAL	OWNER	MASSACHUSETTS CLEAN ENERGY CENTER 55 SUMMER STREET, 9TH FLOOR BOSTON, MASSACHUSETTS

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**PROPOSED
EXCAVATION AREAS**

DRAWING NO.
DRAFT
X OF X



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DRAFT
PENDING EPA
APPROVAL

P3
(1.52)

Q3
(2.37)

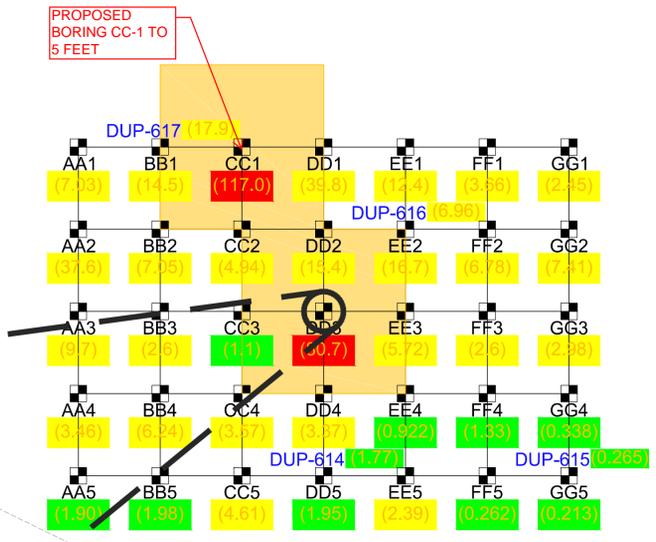
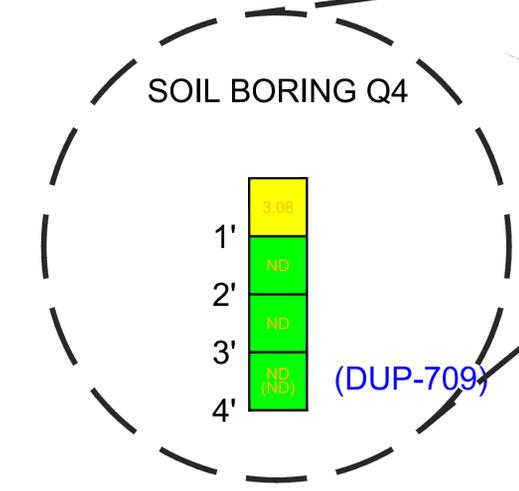
PROPOSED BORING CC-1 TO 5 FEET

PROPOSED BORING CC-2 TO 8 FEET

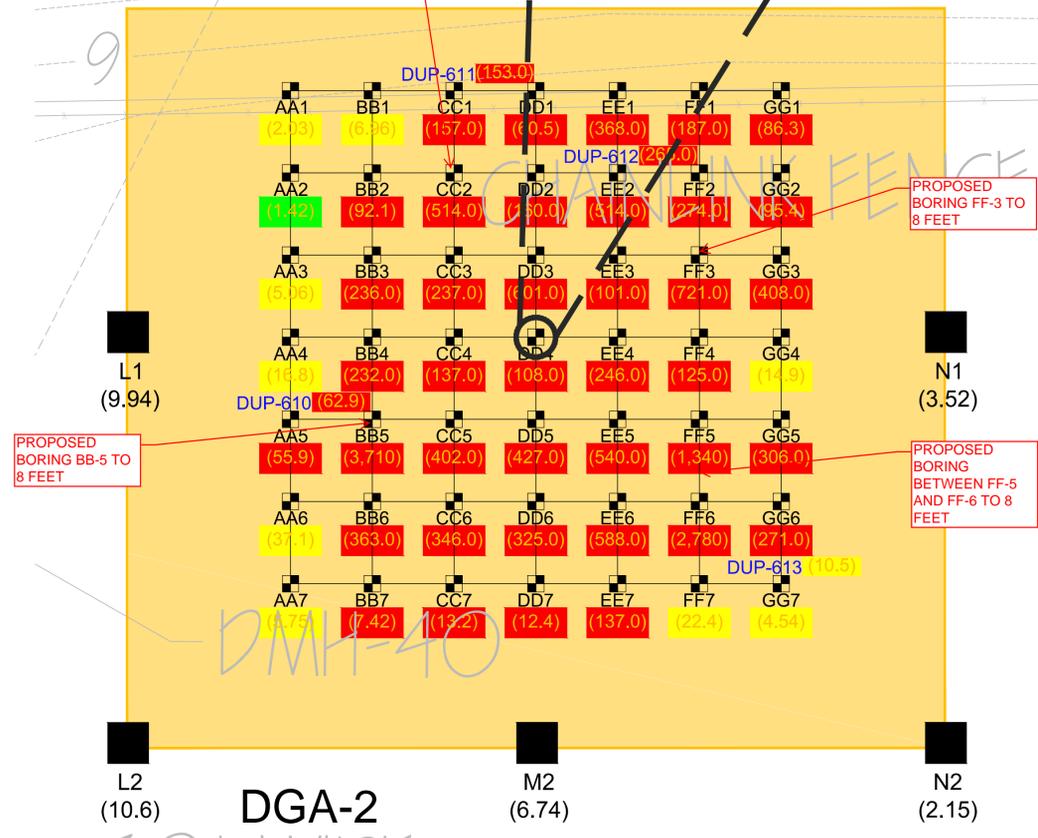
PROPOSED BORING FF-3 TO 8 FEET

PROPOSED BORING BB-5 TO 8 FEET

PROPOSED BORING BETWEEN FF-5 AND FF-6 TO 8 FEET



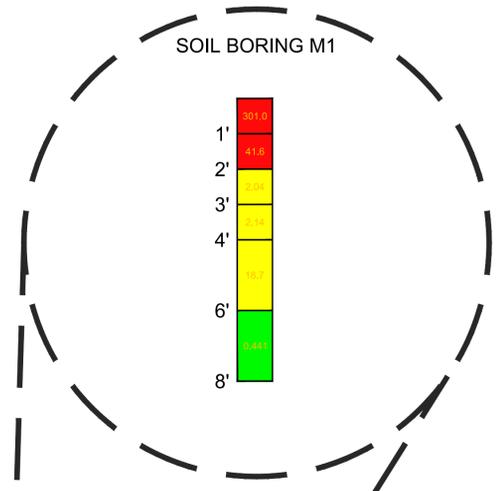
DGA-3



DGA-2

M2
(6.74)

N2
(2.15)



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OWNER	MASSACHUSETTS CLEAN ENERGY CENTER 55 SUMMER STREET, 9TH FLOOR BOSTON, MASSACHUSETTS

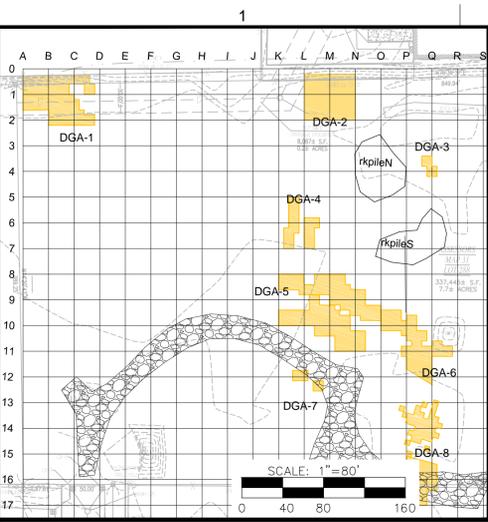
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PROJECT NO.	6690
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DATE	
DRAWING SCALE	1"=5'
GRAPHIC SCALE	
SCALE: 1"=5'	
0 2.5 5 10	
SHEET TITLE	

PROPOSED EXCAVATION AREAS

DRAWING NO.
DRAFT

X OF X



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**DRAFT
PENDING EPA APPROVAL**



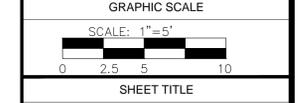
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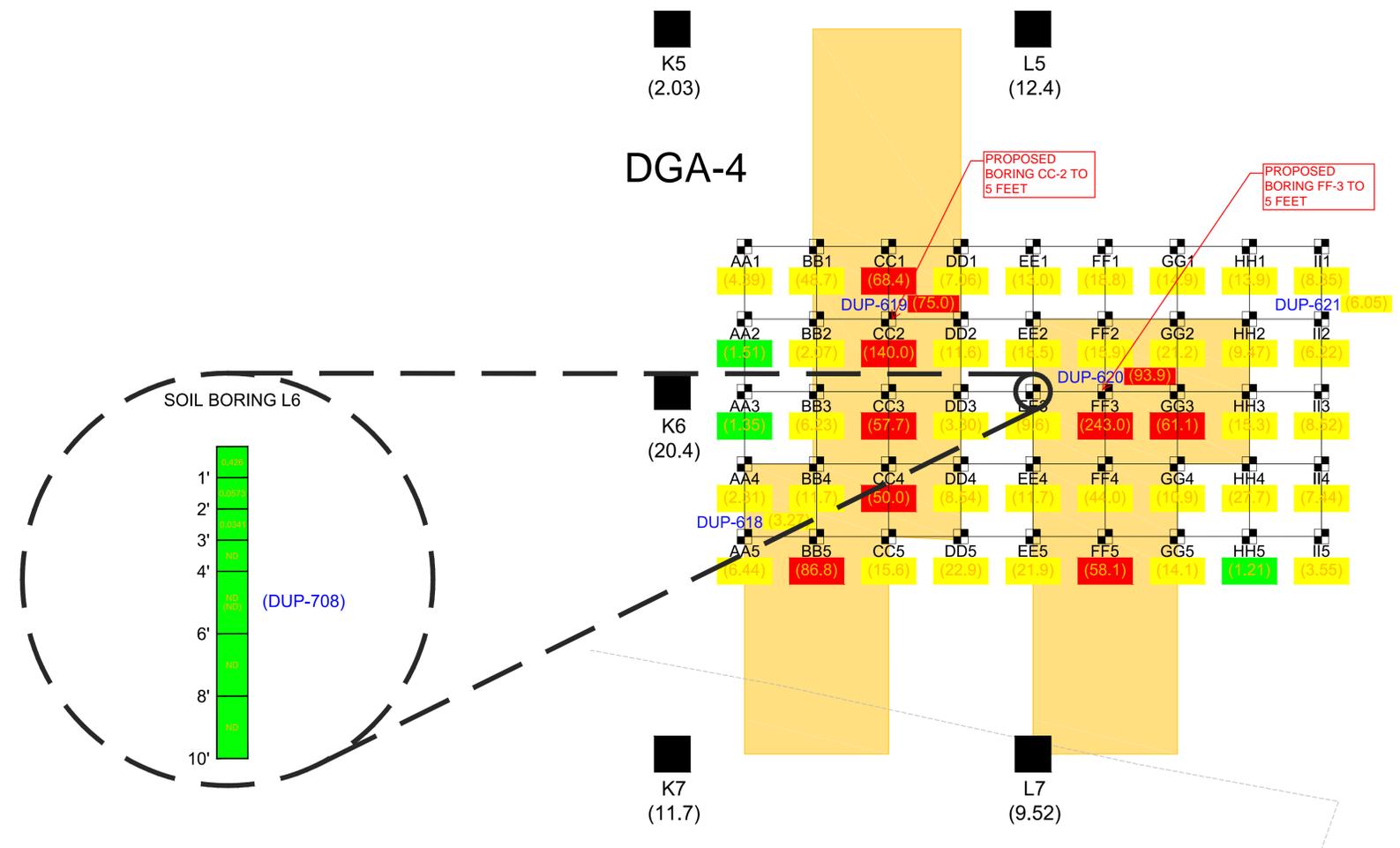
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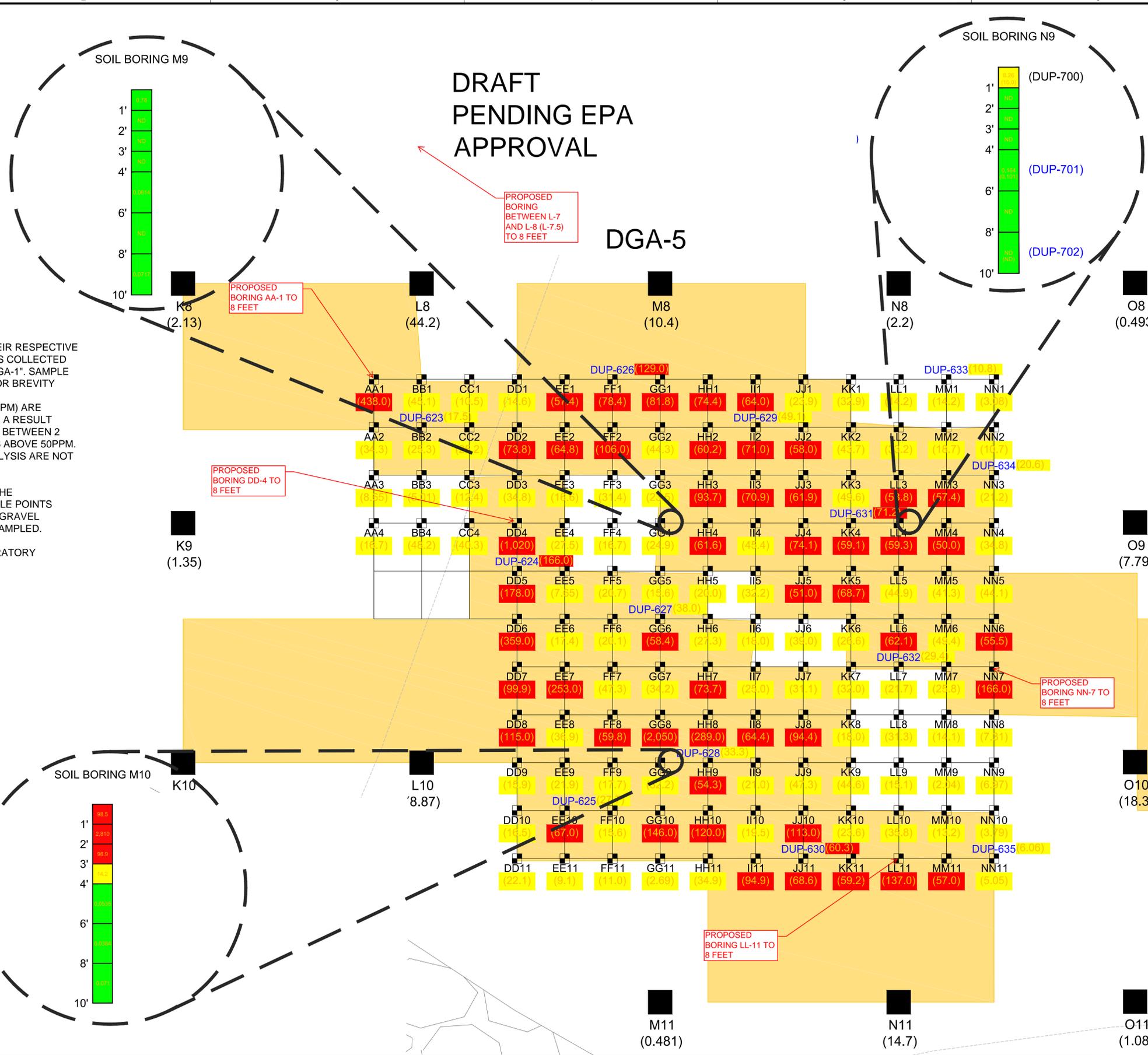
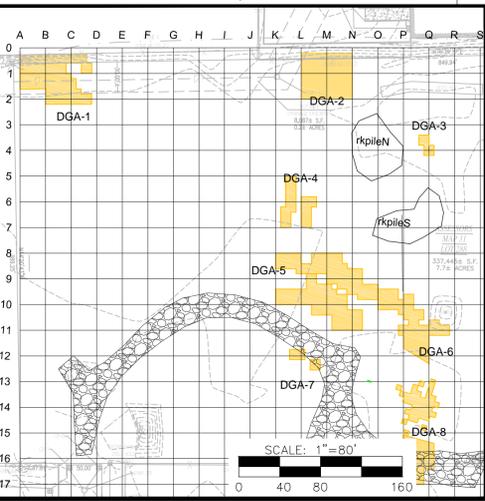


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**PROPOSED
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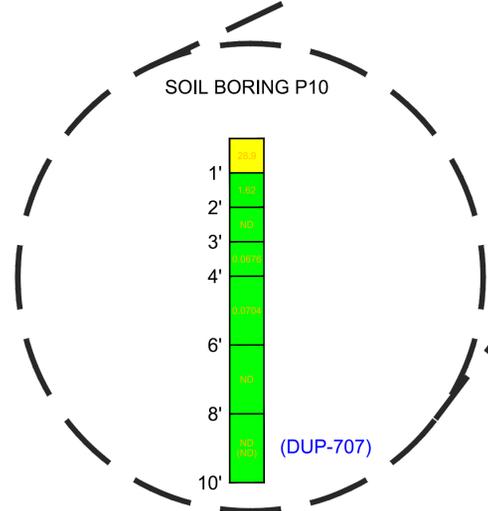
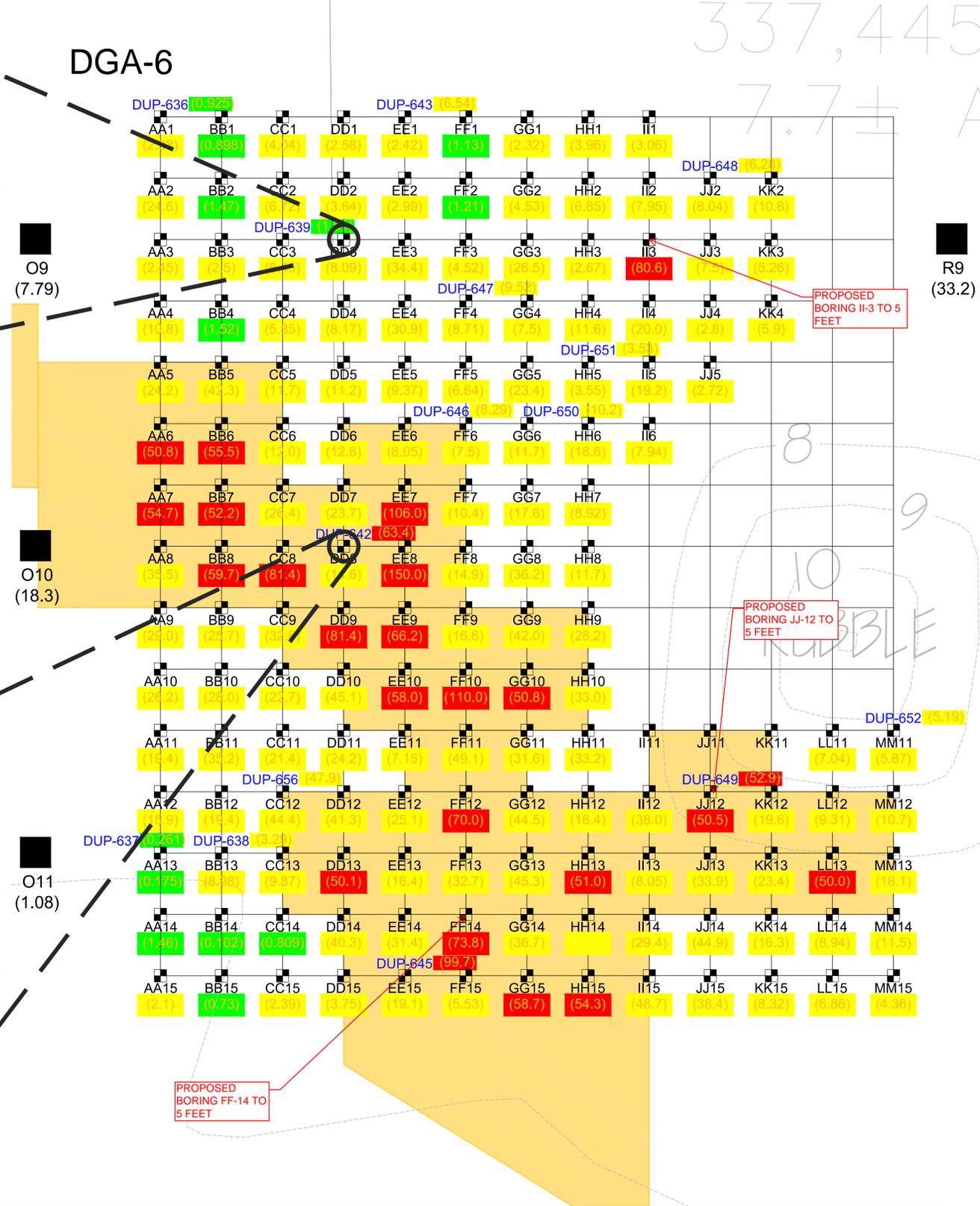
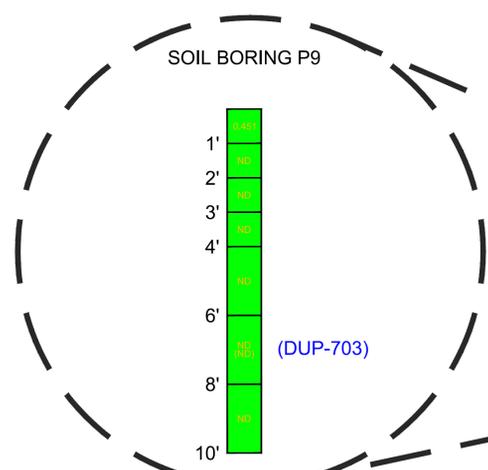
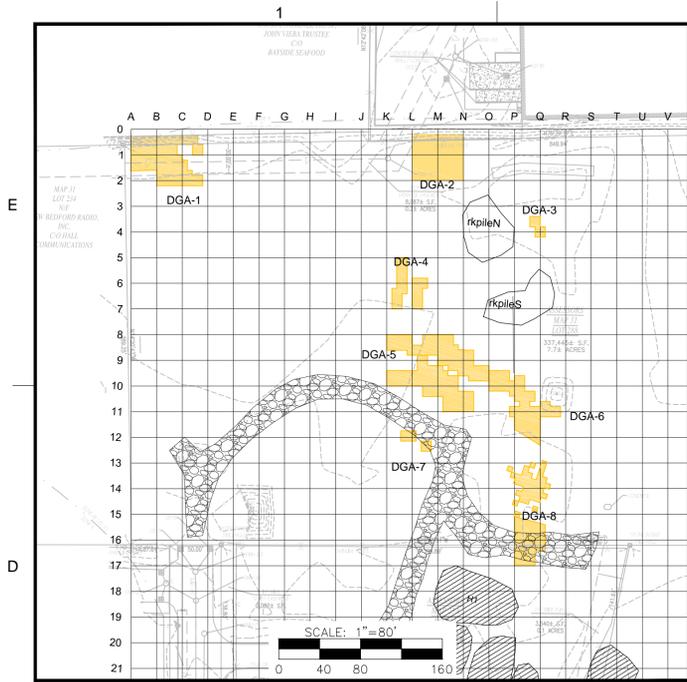
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- 25'x25' GRID SAMPLES AT THE PERIMETER OF HOTSPOT AREAS (SHOWN WHEN USED TO DEFINE HOTSPOT AREA)

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PROJECT NEW BEDFORD MARINE COMMERCE TERMINAL	OWNER MASSACHUSETTS CLEAN ENERGY CENTER 55 SUMMER STREET, 9TH FLOOR BOSTON, MASSACHUSETTS
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NO.	DATE	DESCRIPTION	BY
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PROJECT NO.	6690
CADD FILE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	
DRAWING SCALE	1"=5'

GRAPHIC SCALE
SCALE: 1"=5'
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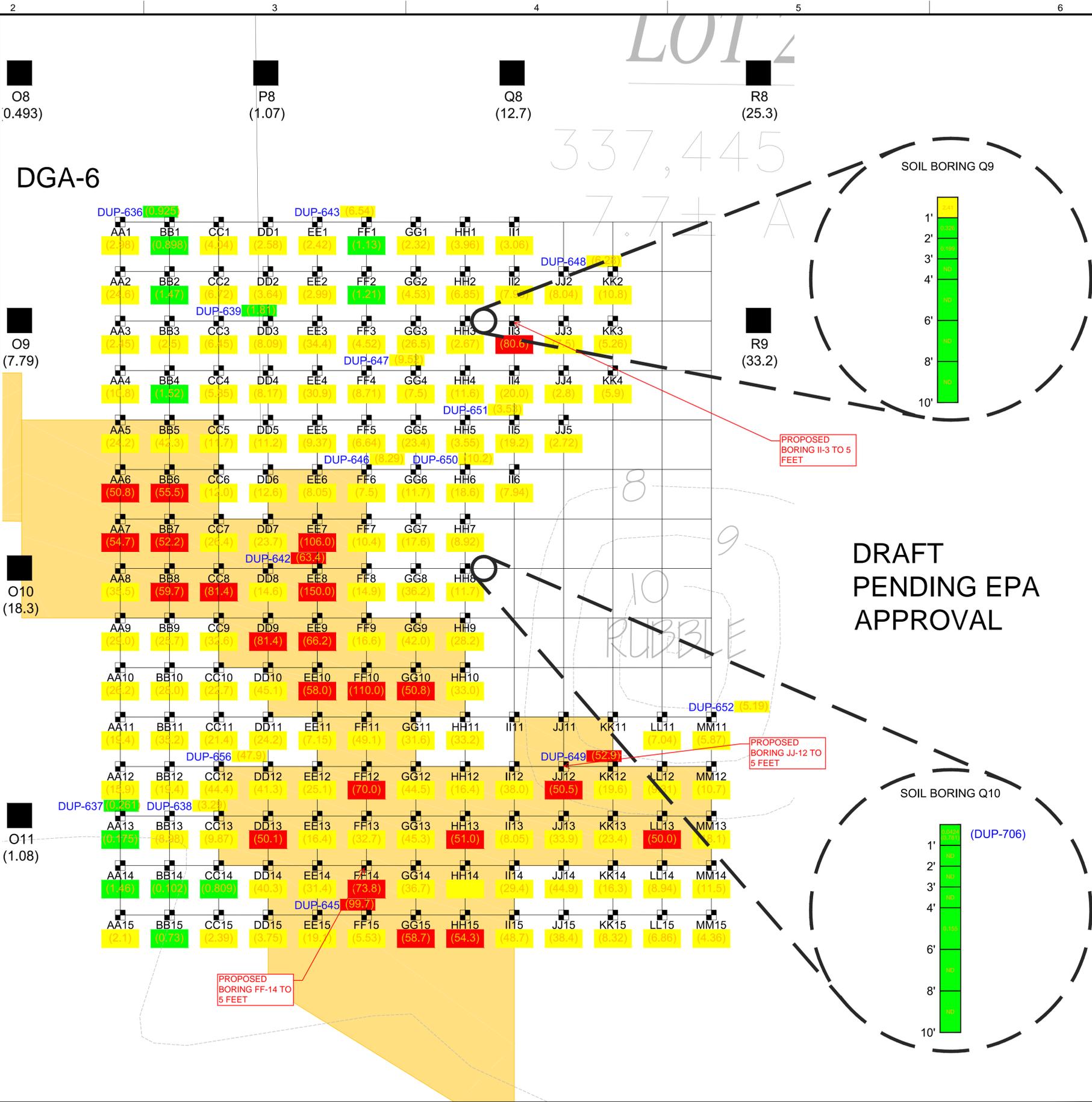
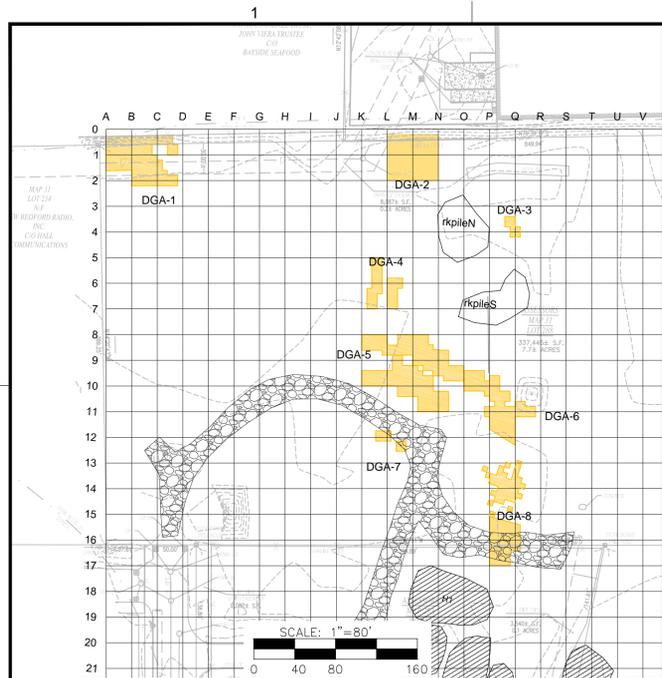
SHEET TITLE

**PROPOSED
EXCAVATION AREAS**

DRAWING NO.

DRAFT

X OF X



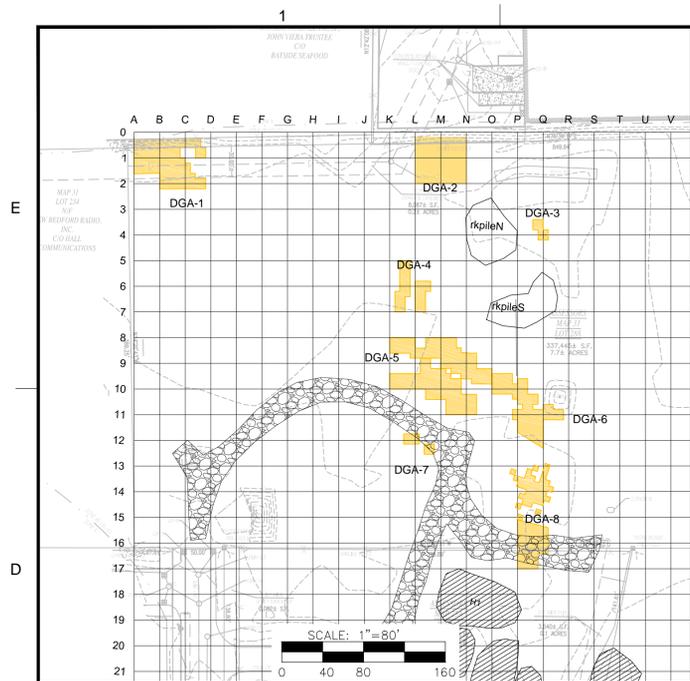
- NOTE:
- SAMPLE ID'S HAVE A PREFIX CORRESPONDING TO THEIR RESPECTIVE DETAILED GRID AREAS (DGA). FOR EXAMPLE, SAMPLES COLLECTED FROM DETAILED GRID AREA 1 ARE PROCEEDED BY "DGA-1". SAMPLE PREFIXES HAVE BEEN OMITTED FROM THIS FIGURE FOR BREVITY
 - LABORATORY DETERMINED PCB CONCENTRATIONS (PPM) ARE SHOWN IN PARENTHESIS. GREEN SHADING INDICATES A RESULT BELOW 2PPM, YELLOW SHADING INDICATES A RESULT BETWEEN 2 AND 50PPM, AND RED SHADING INDICATES A RESULTS ABOVE 50PPM. CONCENTRATIONS OF ADDITIONAL LABORATORY ANALYSIS ARE NOT SHOWN.
 - WHERE ACCESSIBLE, SOIL SAMPLES COLLECTED AT THE APPROXIMATE CENTER OF GRID CELL. CERTAIN SAMPLE POINTS WERE OBSTRUCTED (LOCATED WITHIN THE EXISTING GRAVEL ROADWAY OR DENSE GROUND) AND COULD NOT BE SAMPLED.
 - CONCENTRATIONS DETERMINED TO BE BELOW LABORATORY DETECTION LIMITS ARE INDICATED AS 'ND'.

- LEGEND
- PCB SAMPLE LOCATION
 - AA3 BLUE TEXT DENOTES SAMPLE WAS COLLECTED AS A BLIND DUPLICATE
 - APPROXIMATE LIMITS OF HOTSPOT EXCAVATION
 - 25'x25' GRID SAMPLES AT THE PERIMETER OF HOTSPOT AREAS (SHOWN WHEN USED TO DEFINE HOTSPOT AREA)

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PROJECT NEW BEDFORD MARINE COMMERCE TERMINAL	OWNER MASSACHUSETTS CLEAN ENERGY CENTER 55 SUMMER STREET, 9TH FLOOR BOSTON, MASSACHUSETTS														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>2.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION	BY	2.				1.					
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<p>GRAPHIC SCALE</p> <p>SCALE: 1"=5'</p>															
SHEET TITLE															
PROPOSED EXCAVATION AREAS															
DRAWING NO.															
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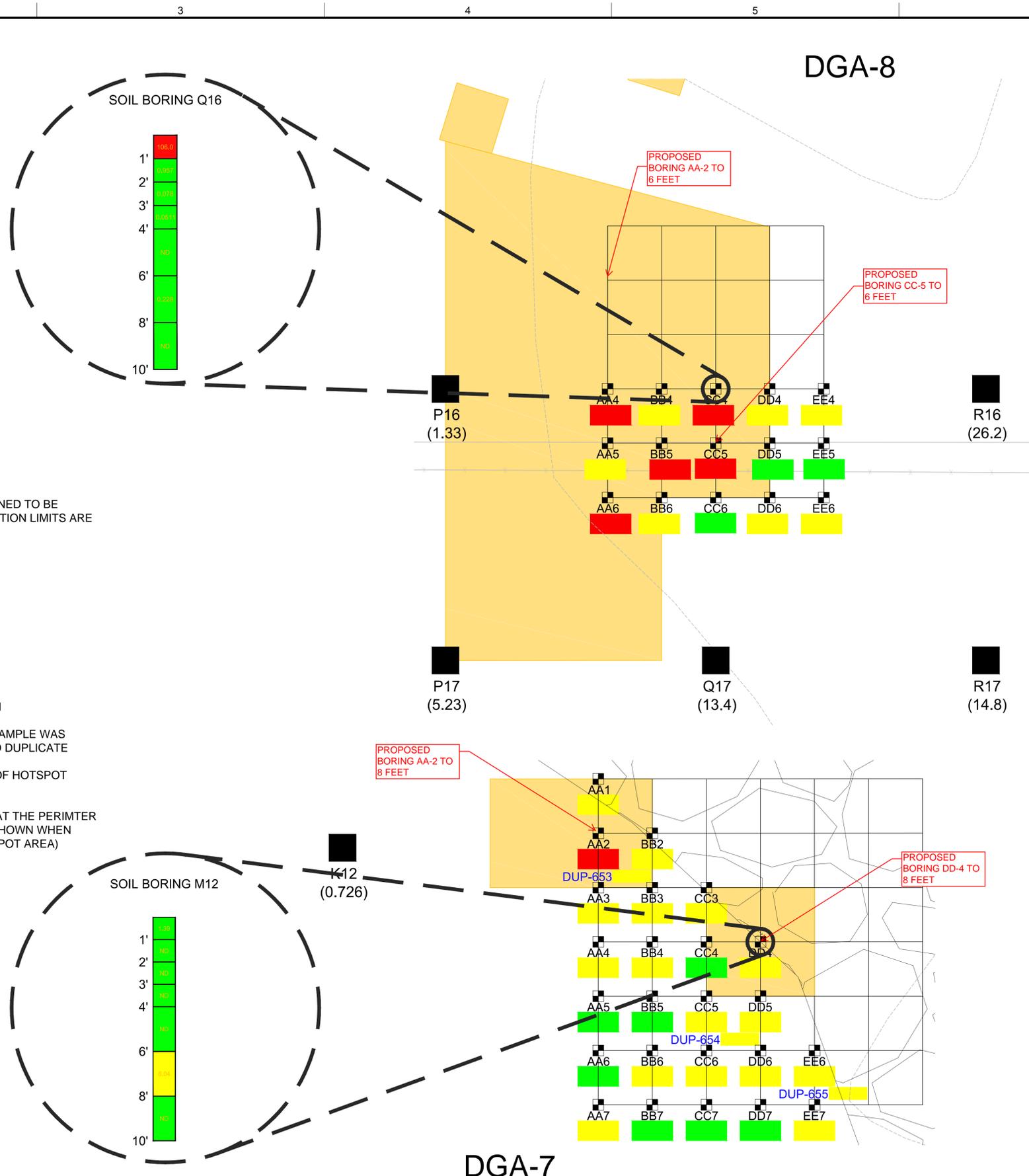


- NOTE:
1. SAMPLE ID'S HAVE A PREFIX CORRESPONDING TO THEIR RESPECTIVE DETAILED GRID AREAS (DGA). FOR EXAMPLE, SAMPLES COLLECTED FROM DETAILED GRID AREA 1 ARE PROCEEDED BY "DGA-1". SAMPLE PREFIXES HAVE BEEN OMITTED FROM THIS FIGURE FOR BREVITY.
 2. LABORATORY DETERMINED PCB CONCENTRATIONS (PPM) ARE SHOWN IN PARENTHESIS. GREEN SHADING INDICATES A RESULT BELOW 2PPM, YELLOW SHADING INDICATES A RESULT BETWEEN 2 AND 50PPM, AND RED SHADING INDICATES A RESULTS ABOVE 50PPM. CONCENTRATIONS OF ADDITIONAL LABORATORY ANALYSIS ARE NOT SHOWN.
 3. WHERE ACCESSIBLE, SOIL SAMPLES COLLECTED AT THE APPROXIMATE CENTER OF GRID CELL. CERTAIN SAMPLE POINTS WERE OBSTRUCTED (LOCATED WITHIN THE EXISTING GRAVEL ROADWAY OR DENSE GROUND) AND COULD NOT BE SAMPLED.

4. CONCENTRATIONS DETERMINED TO BE BELOW LABORATORY DETECTION LIMITS ARE INDICATED AS 'ND'.

LEGEND

- PCB SAMPLE LOCATION
- BLUE TEXT DENOTES SAMPLE WAS COLLECTED AS A BLIND DUPLICATE
- APPROXIMATE LIMITS OF HOTSPOT EXCAVATION
- 25'x25' GRID SAMPLES AT THE PERIMTER OF HOTSPOT AREAS (SHOWN WHEN USED TO DEFINE HOTSPOT AREA)



DRAFT
PENDING EPA APPROVAL



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PROJECT
NEW BEDFORD
MARINE COMMERCE
TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY
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PROJECT NO.	6690
CADD FILE	
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CHECKED BY	
DATE	
DRAWING SCALE	1"=5'

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SCALE: 1"=5'
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SHEET TITLE
PROPOSED EXCAVATION AREAS

DRAWING NO.
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X OF X



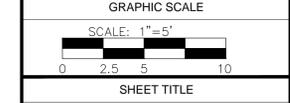
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OWNER: MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS

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PROJECT NO.	6690
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DRAWING SCALE	1"=5'



SHEET TITLE
AREA 1
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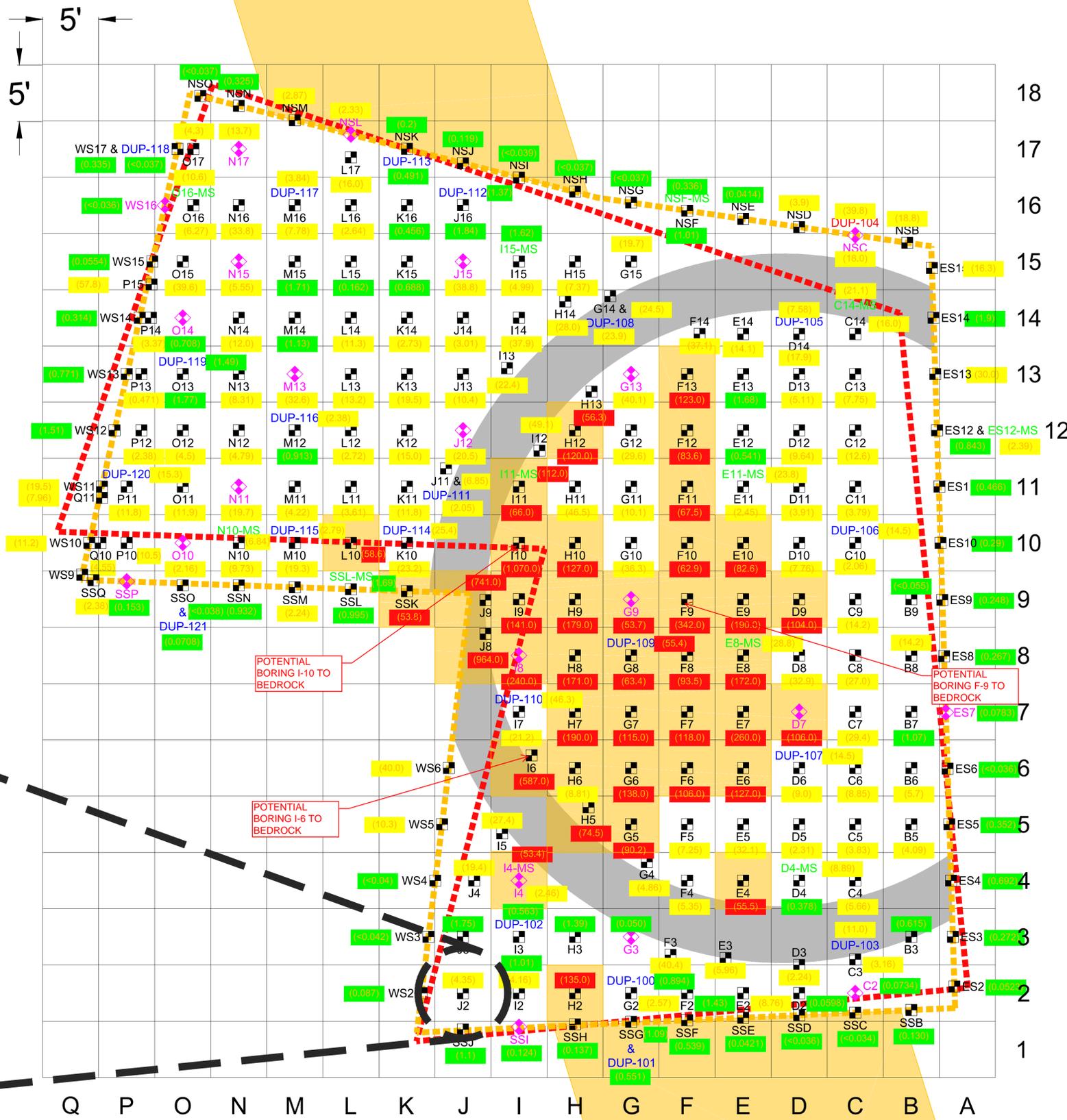
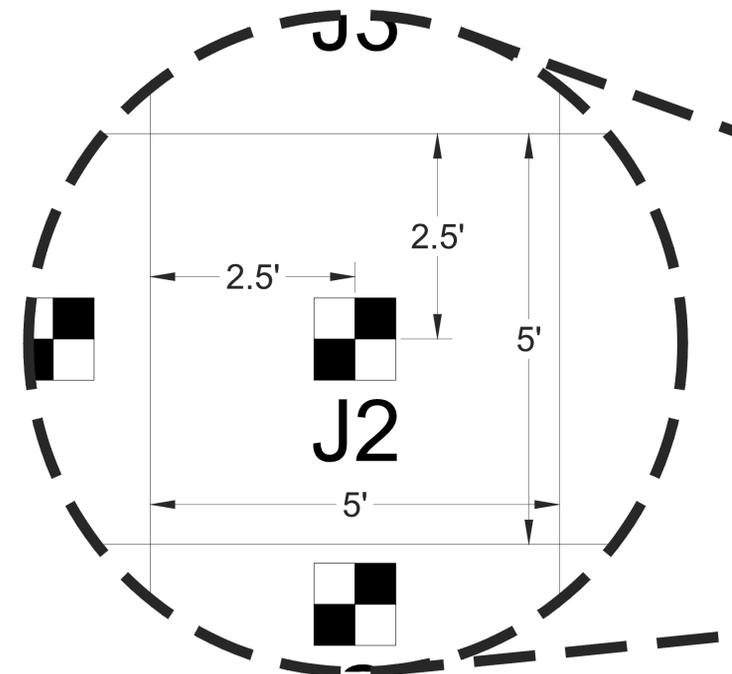
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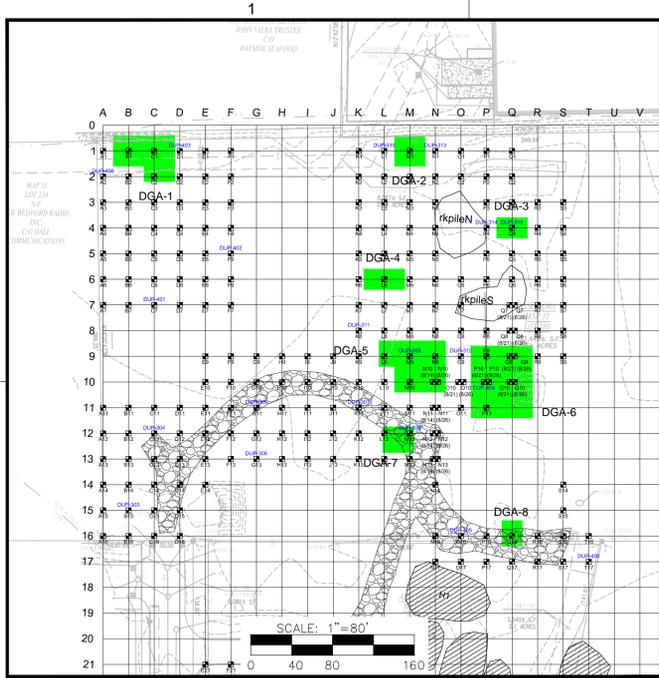
LEGEND

- PCB SAMPLE LOCATION
- () LABORATORY DETERMINED PCB CONCENTRATION (PPM)
- ◆ PCB, RCRA 8 METALS, AND EPH SAMPLE LOCATION
- H3 GREEN TEXT DENOTES SAMPLE COLLECTED AS A MATRIX SPIKE
- H3 BLUE TEXT DENOTES SAMPLE WAS COLLECTED AS A BLIND DUPLICATE
- APPROXIMATE LIMITS OF HOTSPOT EXCAVATION
- DESIGN EXCAVATION BOUNDARY
- POST EXCAVATION FIELD MEASURED EXCAVATION BOUNDARY

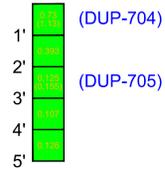
NOTE:

- SAMPLE ID'S HAVE THE PREFIX "AREA1-" WHICH WAS OMITTED FROM THIS FIGURE FOR BREVITY.
- WHERE ACCESSIBLE, ALL BOTTOM SOIL SAMPLES COLLECTED AT THE APPROXIMATE CENTER OF GRID CELL.
- WHERE ACCESSIBLE, ALL SIDEWALL SAMPLES COLLECTED AT THE MIDPOINT OF RESPECTIVE GRID CELL WALL, ABOUT HALF WAY BETWEEN EXISTING GROUND AND BOTTOM OF EXCAVATION (I.E. ABOUT 2.5' BGS).
- LABORATORY DETERMINED PCB CONCENTRATIONS (PPM) ARE SHOWN IN PARENTHESIS. GREEN SHADING INDICATES A RESULT BELOW 2PPM, YELLOW SHADING INDICATES A RESULT BETWEEN 2 AND 50PPM, AND RED SHADING INDICATES A RESULTS ABOVE 50PPM. CONCENTRATIONS OF ADDITIONAL LABORATORY ANALYSIS ARE NOT SHOWN.
- SEE SEPARATE SAMPLE LOCATION PLAN FOR BRICK AND MORTAR SAMPLES COLLECTED FROM THE CYLINDRICAL FOUNDATION.

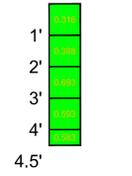




SOIL BORING C2



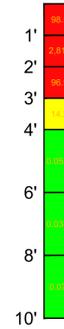
SOIL BORING C1



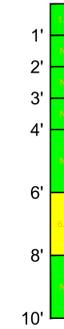
SOIL BORING B1



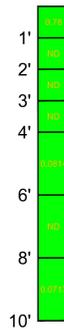
SOIL BORING M10



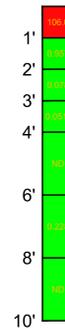
SOIL BORING M12



SOIL BORING M9



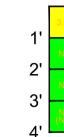
SOIL BORING Q16



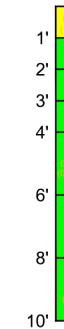
SOIL BORING P9



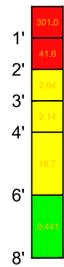
SOIL BORING Q4



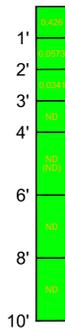
SOIL BORING N9



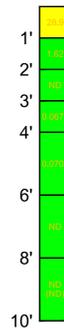
SOIL BORING M1



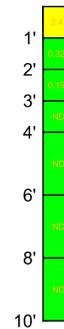
SOIL BORING L6



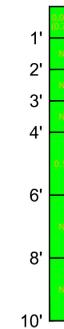
SOIL BORING P10



SOIL BORING Q9



SOIL BORING Q10



LEGEND

- PCB SAMPLE LOCATION
- AA3 BLUE TEXT DENOTES SAMPLE WAS COLLECTED AS A BLIND DUPLICATE
- DETAILED GRID AREA (DGA) BOUNDARY
- ESTIMATED EXTENT OF ADDITIONAL EXCAVATION

NOTE:

1. LABORATORY DETERMINED PCB CONCENTRATIONS (PPM) ARE SHOWN AT RESPECTIVE BORING INTERVALS. GREEN SHADING INDICATES A RESULT BELOW 2PPM, YELLOW SHADING INDICATES A RESULT BETWEEN 2 AND 50PPM, AND RED SHADING INDICATES A RESULTS ABOVE 50PPM. CONCENTRATIONS OF ADDITIONAL LABORATORY ANALYSIS ARE NOT SHOWN.
2. CONCENTRATIONS DETERMINED TO BE BELOW LABORATORY DETECTION LIMITS ARE INDICATED AS 'ND'.



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PROJECT	OWNER
NEW BEDFORD MARINE COMMERCE TERMINAL	MASSACHUSETTS CLEAN ENERGY CENTER 55 SUMMER STREET, 9TH FLOOR BOSTON, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY
2.			
1.			

PROJECT NO.	6690
CADD FILE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	
DRAWING SCALE	N.T.S

GRAPHIC SCALE

SHEET TITLE
25' BY 25' TSCA GRID SAMPLING BORING DATA
DRAWING NO.

DRAFT

X OF X